

Abstract of the Disclosure

A dual flow convection oven is described. The oven consists of an inner metal liner spaced away from an insulated housing. Burners are disposed between the liner and the housing so that products of combustion from the burner circulate around the liner heating the same to generate radiant energy within the cooking cavity. A fan is further provided at the back wall disposed between a baffle plate assembly and the back wall of the liner. The baffle plate assembly includes a circular opening coaxially disposed with the fan, and the back wall of the liner has a similar opening for admitting the products of combustion into the fan. Diverter plates are disposed between the baffle plate assembly and the back wall which plates extend only partially around the circumference of the fan. A separate control is provided for the burner assembly to generate either 60,000 or 80,000 BTUs of energy.